

WHAT IS CLAIMED IS:

1 1. A system for creating an operating system image, the image having
2 preintegrated updates, the system comprising:
3 an operating system preparation engine operable to remove the operating
4 system source file;
5 an update package engine operable to package one or more updates for
6 integration with the operating system, each update having one or more
7 files, the update package engine extracting the update files and
8 assigning file and directory structures to the update files that replace
9 corresponding files in the operating system directory;
10 an overwrite engine operable to write the packaged update files over the
11 corresponding operating system files; and
12 an install engine operable to register the update with the operating system on
13 initial boot of the operating system.

1 2. The system of Claim 1 further comprising an alternative operating
2 system operable to support the operation of the overwrite engine to write update files
3 over the operating system files.

1 3. The system of Claim 1 wherein the operating system has a primary and
2 a secondary source files, the operating system preparation engine further operable to
3 remove the primary source file, the update package engine further operable to identify
4 an update source file and to assign the update source file to overwrite the
5 corresponding secondary source file.

1 4. The system of Claim 3 wherein the primary source file comprises the
2 DLLCACHE and the secondary source file comprise I386.

1 5. The system of Claim 1 wherein the update package engine is further
2 operable to identify and select security updates for packaging.

1 6. The system of Claim 5 wherein the security updates comprise updates
2 operable to address a security vulnerability associated with worms.

1 7. The system of Claim 1 wherein the updates comprise QFEs.

1 8. The system of Claim 7 wherein the QFEs have digital signature files,
2 the update package engine further operable to include the digital signature files with
3 the update files.

1 9. The system of Claim 1 further comprising an operating system image
2 creation engine operable to copy the booted operating system as an image for use in
3 manufacture of information handling systems.

1 10. A method for creating an operating system image, the image having
2 integrated updates, the method comprising:
3 removing the source file of the operating system;
4 extracting an update file from an operating system update;
5 writing the update file over a corresponding operating system file;
6 booting the operating system; and
7 registering the update with the operating system.

1 11. The method of Claim 10 wherein the operating system comprises a
2 primary source file and a secondary source file and wherein:
3 removing the source file further comprises removing the primary source file;
4 and
5 writing the update file further comprises writing a source file update over the
6 secondary source file.

1 12. The method of Claim 11 wherein the primary source file comprises
2 DLLCACHE and the secondary source file comprises I386.

1 13. The method Claim 10 wherein the update comprises a QFE.

1 14. The method of Claim 10 wherein extracting an update file further
2 comprises extracting a signature file to support recognition of the update file by the
3 operating system.

1 15. The method of Claim 10 further comprising running an alternate
2 operating system to perform the removing, extracting and writing.

1 16. The method of Claim 10 further comprising:
2 imaging the booted operating system; and
3 using the image to manufacture information handling systems.

1 17. The method of Claim 10 further comprising:
2 identifying a plurality of updates as security updates and non-security updates;
3 selecting the security updates for the extracting and writing; and
4 installing the non-security updates after boot of the operating system.

1 18. The method of Claim 17 wherein the security updates are patches to
2 protect worm vulnerabilities.

1 19. An information handling system comprising:
2 an operating system having plural files, the operating system in a non-
3 operational state;
4 an alternative operating system operable to support operation of the
5 information handling system;
6 an update package supported by the alternative operating system, the update
7 package having one or more update files for integration with the
8 operating system, the update files having a file and directory structure
9 aligned to replace corresponding files in the operating system;
10 an overwrite engine operable to write the update files over the corresponding
11 operating system files to preintegrate the update files in the operating
12 system.

1 20. The information handling system of Claim 19 further comprising an
2 operating system image creation engine operable to:
3 boot the operating system; and
4 copy an image of the booted operating system for use in manufacture of
5 information handling systems.